



# FACILITY COMPLIANCE AUDIT REPORT

## Division of Waste Management Solid Waste Section

<b>UNIT TYPE:</b>												
Lined MSWLF	<b>X</b>	LCID		YW	<b>X</b>	Transfer		Compost		SLAS		<b>COUNTY:</b> Macon <b>PERMIT NO.:</b> 57-03 <b>FILE TYPE:</b> COMPLIANCE
Closed MSWLF		HHW	<b>X</b>	White goods	<b>X</b>	Incin		T&P	<b>X</b>	FIRM		
CDFL		Tire T&P / Collection	<b>X</b>	Tire Monofill		Industrial Landfill		DEMO		SDTF		

**Date of Audit:** July 1, 2009

**Date of Last Audit:** May 20, 2008

**FACILITY NAME AND ADDRESS:**

Macon County Municipal Solid Waste Facility  
 1448 Lakeside Drive  
 Franklin, NC 28724

**GPS COORDINATES:** N: 35.20091 E: -83.37684

**FACILITY CONTACT NAME AND PHONE NUMBER:**

Chris Stahl, Solid Waste Director  
 828-349-2100

**FACILITY CONTACT ADDRESS:**

Chris Stahl, Director  
 Macon County Solid Waste Department  
 109 Sierra Drive  
 Franklin, NC 28734

**AUDIT PARTICIPANTS:**

Chris Stahl, Macon County  
 Troy Harrison, NC Solid Waste Section

**STATUS OF PERMIT:**

Original Permit to Operate:	January 31, 1991
Permit Renewal:	February 8, 1999
Permit Amendment	March 7, 2000
Permit Amendment	July 20, 2005
Permit Modification <sup>1</sup>	October 26, 2006
Permit Modification <sup>2</sup>	July 12, 2007
<b>Date to request renewal</b>	<b>January 20, 2010</b>
<b>Review Date</b>	<b>July 20, 2010</b>

<sup>1</sup>Spray irrigation of wastewater

<sup>2</sup>Approval of ADC and cessation of baling operations

**PURPOSE OF AUDIT:**

Comprehensive Audit of MSW Landfill

**STATUS OF PAST NOTED VIOLATIONS:**

N/A

**FACILITY COMPLIANCE AUDIT REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

Page 2 of 2

**AREAS OF CONCERN AND COMMENTS:**

**General Information**

1. The facility consists of a MSW landfill, tire collection site, white goods collection and processing facility, a metals collection site, a treatment and processing facility, a drop-off convenience area for selected recyclables, and a composting facility.
2. The service area for the facility is Macon County.
3. A copy of the permit (57-03) and the operations plan was available at the Solid Waste Office.
4. Operational records for the facility are maintained at the Macon County Solid Waste offices located at 109 Sierra Drive adjacent to the landfill.
5. A Review of training records include, but not limited to the following SWANA certifications for all facility areas of operation:

Name	Certification	Expiration Date
Chris Stahl	MOLO MSWS	5/25/10 10/22/11
Rickie Shepherd	LOS	10/28/11
Jeff McCord	LOS	10/28/11
Tommy Keener	MOLO LOS TSO	4/5/10 12/13/09 3/12/10
Wayne Clark	LOS	12/13/09
Wesley Peek	LOS	3/27/10
Sammy Hedden	LOS	10/8/11

MOLO – Manager of Landfill Operations  
MSWS – Municipal Solid Waste Specialist  
LOS – Landfill Operations Specialist  
TSO – Transfer Station Operator

6. Methane detection forms were correctly filled out as a percentage of the LEL. The most recent Monitoring was done on 6/30/09. Readings of methane probes at the property boundary were 0%. There were some readings above the LEL on non-boundary wells. The facility is working to reduce water infiltration near these areas. Monitoring is done on a quarterly basis.
7. Waste screenings are being done on a daily basis with a target of one ton per day. On some days more than one screening is done depending on the size of the load to meet the required 1%. Waste screening is usually conducted at the former bailing facility and occasionally at the working face for smaller loads. Unacceptable wastes found during the screenings were removed and final disposition documented. Various sized loads and various haulers were selected for screenings.

**MSW Landfill Unit**

**Phase 2, Cell 1**

8. The MSW landfill was operating in Phase 2, Cell 1 (active since 1998).
9. The facility is permitted to use a mixture of 50% and 50% mulch as an alternate daily cover (ADC). This activity is noted in the operations plan (Section 4.2). Mulch was observed placed on the waste without being mixed.
10. **Trash was observed mixed with the cover material. Dirt was being brought to this area add additional covering to the area. As a reminder, all waste not being covered by the landfill tarp as approved by the**

**FACILITY COMPLIANCE AUDIT REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

Page 3 of 3

**Division must be covered with at least 6 inches of soil, or a mixture of soil and mulch as approved by the Division. Areas which will not have wastes placed on them for 12 months or more but where final termination of disposal operations have not occurred must have a minimum of 1 foot of cover.**

11. Fencing was in place to reduce wind blown litter. There was very little wind blown material at the facility.
12. The working face was very small during the audit. There was no banned material observed with the exception of a small amount of cardboard and tires that had been previously removed by the equipment operator and placed aside for later disposal at the recycling facility.
13. This cell has two leachate pump stations. No surface discoloration or other evidence of leachate breakouts was observed.
14. The leachate collection system was last checked on 2007 with cameras and cleaned.
15. All leachate from this cell goes to the waste water treatment plant (WWTP) under an industrial user permit from a collection pond. Sampling is done at the pond.

**Phase 1, Cell 1**

16. This area has intermediate cover with vegetative cover. **The area needs mowing. As noted in the previous audit, there were also small woody plants that need to be removed.**
17. The berms on top of Phase 1 are to be removed in the near future to aid in shedding of water to help prevent water infiltration into the landfill.
18. Phase 1 has a gravity leachate collection system directly to the WWTP. Two manholes between this cell and the pond were observed.

**Treatment and Processing Facility**

19. This is a huge building that formally housed a bailing operation. This is now used as a tipping floor for use by the general public. Waste is placed on the floor and using equipment placed in a semi-trailer. Waste is then transported to the MSW Landfill.
20. The area was very clean and well staffed. Waste that is not allowed in the MSW Landfill was observed being diverted to its proper disposal area by staff.
21. Separate areas are designated for clean wood, TVs, computers, cardboard and scrap metal.

**Scrap Tire Collection Area**

22. There were 3 trailers on site. Two trailers were full. The other one appeared to be less than half full. All tires that are not intended for use by the facility were on the trailers.
23. A review of the County tire collection program was conducted. The facility maintains a record of registered tire haulers, generators and private individuals delivering tires to the site. Tonnage totals for received tires are listed under commercial for the registered haulers/generators and separately for less than 5 tires brought in by county residents and county clean-ups. Recently processed tire certification forms were reviewed and appeared to be correctly filled out.

**FACILITY COMPLIANCE AUDIT REPORT**  
**Division of Waste Management**  
**Solid Waste Section**

Page 4 of 4

**Yard Waste Treatment and Processing Facility**

24. This area is used to generate mulch for the alternate daily cover. Material was in a pile waiting for grinding consisted of primarily of landclearing debris, yard trash and pallets. Unpainted wood that appeared to be part of some structure and particleboard was also at the site. Ground material was wind rowed awaiting transport to the working face. The material is no longer available to the public.

**White Goods Area**

25. This area is located in the recycling area. Freon is removed by the facility.

**Recycling Operation**

26. A recycling operation is part of the approved operations plan.
27. Macon County accepts materials dropped off at the facility and from collections sites located through out the county. Recycled materials are baled and sent to appropriate recycling companies.
28. There were separate areas for metals, aluminum, steel cans, clothes, cardboard, paper. Glass was being separated into brown, clear and green.

**Household Hazardous Waste**

29. Used oil, household grease, batteries, anti-freeze and used oil filters were being accepted in the hazardous waste area. With the exception of household grease, these were located in a shed.

**Type 3 Composting Facility**

30. This area is currently not in use with no plans to operate at this time. A Notification to the Solid Waste Section is required before reactivation.

**Phase 3**

31. This area is future Phase 3 of the facility and is currently unlined. **Painted concrete, tile and plaster were observed that had been dumped on the side of the road in this area. This is an activity not included in the operations plan. In addition, painted material cannot be used as beneficial fill unless tested for lead content. Furthermore, since this is a future location of an MSW landfill, beneficial fill would not be allowed anyway. This material must be removed by August 14, 2009 and disposed of properly.**

Please contact me if you have any questions or concerns regarding this audit report.



828-296-4701

Phone: \_\_\_\_\_.

\_\_\_\_\_  
Troy Harrison  
Environmental Senior Specialist  
**Regional Representative**

Delivered on : <u>July 8, 2009</u> by		Hand delivery	<b>X</b>	E-Mail		Certified No. [ ]
---------------------------------------	--	---------------	----------	--------	--	-------------------

cc: Mark Poindexter, Field Operations Branch Supervisor  
Deb Aja, Western District Supervisor  
Donald Herndon, Compliance Officer